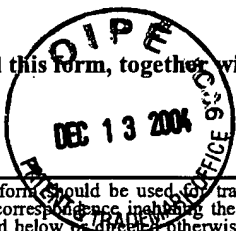


**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000**

or **Fax**



**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

09/08/2004

James M Durlacher  
Woodard Emhardt Naughton Moriarty and McNett  
Bank One Center/Tower Suite 3700  
111 Monument Circle  
Indianapolis, IN 46204-5137

12/14/2004 HMEKONE1 00000061 09585061

01-FC:1506

1370.00 DP

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

James M. Durlacher (Depositor's name)  
James M. Durlacher (Signature)  
December 8, 2004 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/585,061	06/01/2000	Samuel M.D. Norville	9105-3/JMD	5737

TITLE OF INVENTION: APPARATUS FOR AND METHOD OF PRODUCING ON-DEMAND SEMI-SOLID MATERIAL FOR CASTINGS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	12/08/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
DUNN, THOMAS G	1725	164-113000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

WOODARD EMHARDT, MORIARTY.

1 McNETT & HENRY LLP  
PATENT AND TRADEMARK ATTORNEYS  
2 BANK ONE CENTER TOWER  
111 MONUMENT CIRCLE, SUITE 3700  
INDIANAPOLIS, INDIANA 46204-5137

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

AEMP Corporation

Jackson, Tennessee

01 FC:1501

30.00 DA

1370.00 DP

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 23-3030 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

James M. Durlacher

Date

December 8, 2004

Typed or printed name

James M. Durlacher

Registration No.

28,840

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Effective on 10/01/2004. Patent fees are subject to annual revision.

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **1370**

### Complete if Known

Application Number **09/585,061**  
Filing Date **06/01/2000**  
First Named Inventor **Samuel M.D. Norville**  
Examiner Name **Dunn, Thomas G.**  
Art Unit **1725**  
Attorney Docket No. **9105-3**

### METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order

☒ Deposit Account ☐ None

Deposit Account Number **23-3030**  
Deposit Account Name **Woodard, Emhardt et al**

The Director is hereby authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below  
☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  
☒ Credit any overpayments

to the above-identified deposit account.

☐ Other (please identify): \_\_\_\_\_

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### FEE CALCULATION

#### 1. BASIC FILING FEE

Fee Description	Fee (\$)	Small Entity Fee (\$)	Fee Paid(\$)
Utility Filing Fee	790	395	
Design Filing Fee	350	175	
Plant Filing Fee	550	275	
Reissue Filing Fee	790	395	
Provisional Filing Fee	160	80	
Subtotal (1) \$			

### FEE CALCULATION (continued)

#### 2. EXTRA CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20	18	9
Each independent claim over 3	88	44
Multiple dependent claims	300	150
For Reissues, each claim over 20 and more than in the original patent	18	9
For Reissues, each independent claim more than in the original patent	88	44

Total Claims \_\_\_\_\_ Extra Claims \_\_\_\_\_ Fee (\$) \_\_\_\_\_ Fee Paid (\$) \_\_\_\_\_  
HP = highest number of total claims paid for, if greater than 20

Indep. Claims \_\_\_\_\_ Extra Claims \_\_\_\_\_ Fee (\$) \_\_\_\_\_ Fee Paid (\$) \_\_\_\_\_  
HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims \_\_\_\_\_ Fee (\$) \_\_\_\_\_ Fee Paid (\$) \_\_\_\_\_

Subtotal (2) \$

#### 3. OTHER FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)	Fee Paid(\$)
1-month extension of time	110	55	
2-month extension of time	430	215	
3-month extension of time	980	490	
4-month extension of time	1,530	765	
5-month extension of time	2,080	1,040	
Information disclosure stmt. fee	180	180	
37 CFR 1.17(q) processing fee	50	50	
Non-English specification	130	130	
Notice of Appeal	340	170	
Filing a brief in support of appeal	340	170	
Request for oral hearing	300	150	
Other: <b>Issue Fee</b>			<b>1370</b>

Subtotal (3) \$ **1370.00**

### SUBMITTED BY

Signature	<b>James M. Durlacher</b>	Registration No. (Attorney/Agent) <b>28,840</b>	Telephone <b>(317) 634-3456</b>
Name (Print/Type)	<b>James M. Durlacher</b>	Date <b>Dec. 8, 2004</b>	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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December 8, 2004

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Sir:

The enclosed PTO-2038 form authorizes the issue fee payment in the amount and manner set forth below to be charged to American Express Card number stated on said form. Please charge any additional fees which may be due or credit any overpayments to deposit account No. 23-3030.

1. Issue fee due on Samuel M.D. Norville application, Serial No. 09/585,061 entitled APPARATUS FOR AND METHOD OF PRODUCING ON-DEMAND SEMI-SOLID MATERIAL FOR CASTINGS - see attached sheet.

\$ 1370.00

TOTAL BALANCE TO BE PAID:

\$ 1370.00

Sincerely,

Kari K. Woehler

lds  
Enclosures

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 8, 2004.

James M. Durlacher

Name of Registered Representative

Signature

December 8, 2004

Date of Signature